

Maine Department of Transportation Approved Product List
CONCRETE SEALERS
Meeting Standard Specification Revision of December 2002, Section 502

Type 1a - Penetrating Sealers for Traffic Bearing Surfaces: Sheltered Conditions where Deck is relatively dry, i.e. Relative Moisture Content < 55%

Product Name Description	Manufacturer <i>Local Supplier/Contact Phone Number</i>	Min. Appl. Rate Ft ² /Gal.	Total V.O.C. Content grams/liter
Enviroseal 20 * 20% siloxane, water-based	ChemRex - Degussa Building Systems 800-433-9517	100	<350
Powerseal 20 * 20% siloxane, water-based	Vexcon Chemicals, Inc. A.H. Harris 207-775-5764	125	250
Weather Worker WB Heavy Duty(J-27-WB) 20% siloxane, water-based	Dayton Superior 800-692-0082	100	0

Type 1b - Penetrating Sealers for Traffic Bearing Surfaces: Outdoor Exposure where Deck Relative Moisture Content ≤ 75%

Product Name Description	Manufacturer <i>Local Supplier/Contact Phone Number</i>	Min. Appl. Rate Ft ² /Gal.	Total V.O.C. Content grams/liter
Aridox 40 M 40% silane, alcohol-based	Anti Hydro A.H. Harris 207-622-0821	100	230
Hydrozo Enviroseal 40 * 40% silane, water-based	ChemRex - Degussa Building Systems 800-433-9517	100	<350
Powerseal 40 * 40% silane, water-based	Vexcon Chemicals, Inc. A.H. Harris 207-775-5764	125	260
Sikagard 701W 50% silane modified siloxane	Sika Corp. A.H. Harris 207-622-0821	100	193

Type 1c - Low V.O.C. Penetrating Sealers for Low Water/Cement Ratio Traffic Bearing Surfaces: Outdoor Exposure where Deck Relative Moisture Content ≤ 85%

Product Name Description	Manufacturer <i>Local Supplier/Contact Phone Number</i>	Min. Appl. Rate Ft ² /Gal.	Total V.O.C. Content grams/liter
Baracade Silane 100 100% silane	Tamms Industries Gagne Precast 207-942-7393	200	275
Chem-Trete BSM 400 100% silane	Degussa Corporation - Aerosil & Silanes 800-828-0919	100	383
Hydrozo 100 100% silane	ChemRex - Degussa Building Systems 800-433-9517	250	365
SIL-ACT ATS-100 100% silane	Advanced Chemical Technologies, Inc. 800-535-0433	100	<350
Sure Klean Weather Seal SL100 * 98% silane	ProSoCo, Inc. 800-255-4255	150	330
Weather Worker S-100 (J-29A) 100% silane	Dayton Superior 800-692-0082	250	350

Type 2a - One component clear coating for vertical and non-traffic bearing surfaces such as curbs: Concrete Relative Moisture Content ≤ 70%

Product Name Description	Manufacturer <i>Local Supplier/Contact Phone Number</i>	Min. Appl. Rate Ft ² /Gal.	Total V.O.C. Content grams/liter
Sikagard 670W Clear ** 100% acrylic protective coating, water-based	Sika Corp. A.H. Harris 207-622-0821	160	193

Type 2b - Two component clear coating for vertical and non-traffic bearing surfaces such as curbs: Concrete Relative Moisture Content ≤ 70%

Product Name Description	Manufacturer <i>Local Supplier/Contact Phone Number</i>	Min. Appl. Rate Ft ² /Gal.	Total V.O.C. Content grams/liter
Sealate T70 MX-30	Transpo Industries, Inc. 914-636-1000	130	

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Type 3 - Colored coatings used for non-traffic bearing concrete surfaces. Covers graffiti & offers good aesthetics for areas exposed to public view. Concrete Relative Moisture Content $\leq 70\%$
NOTE: The products listed in this category must meet Maine V.O.C. limits for "Industrial Maintenance Coatings" of 340 grams per liter

Product Name Description	Manufacturer Local Supplier/Contact Phone Number	Min. Appl. Rate Ft ² /Gal.	Total V.O.C. Content grams/liter
FX-460 ** colored, breathable, primer/top coat system	Fox Industries, Inc. 888-760-0369	125/200	200
Sikagard 550W Elastic ** colored, high-performance coating	Sika Corp. A.H. Harris 207-622-0821	160	20

All products must meet Volatile Organic Compound (V.O.C.) content limit as set by the Maine Department of Environmental Protection Chapter 151: Architectural and Industrial Maintenance (AIM) Coatings regulations. Waterproofing Concrete/Masonry Sealers (Type 1 & 2) have a limit of 400 grams per liter. Type 3 products must meet V.O.C. limit for Industrial Maintenance Coatings of 340 grams per liter. Limits are effective as of January 1, 2006.

Application rates must be adjusted to suit field conditions and the type of sealer product previously applied to the concrete.

Type 1 - penetrating sealers for traffic bearing surfaces exposed to abrasion.
These sealers must not reduce the skid resistance of the wearing surface.
These are divided into 3 categories depending on substrate exposure conditions as noted above.

These sealers are used on concrete decks that are cured for 28 days or older.
Instructions for field use:

1. Allow 28 days continuous drying after burlap is removed from new concrete.
2. For old concrete allow minimum 72 hours continuous drying after washing or a heavy rainfall has occurred.
3. Flood coat the surface and repeat the process on high spots and areas that dry quickly.
4. Depending upon drying conditions, drying time may have to be extended.

Type 2 - clear, film forming sealers for use on non-traffic bearing elements such as parapets, curbs, piers, abutments, and wingwalls.

These are divided into 2 categories depending on the number of components as noted above.

These sealers are used on concrete that are cured for 28 days or older.

Smooth vertical concrete surfaces may not attain the required coverage rates, and more than two applications may be needed. A reduction in the required coverage rate generally results in a reduction in the waterproofing performance as well as an increase in breathability of the sealed surface.

On previously sealed concrete surfaces, the sealer product to be applied, should be checked for compatibility.

Type 3 - colored film-forming coating used for vertical and non-traffic bearing concrete surfaces for good aesthetics, such as covering up graffiti and other areas exposed to public view, Concrete relative moisture content $\leq 70\%$.

* Approved for use as a sealer on segmental concrete block walls.

** Conditional approval for two year evaluation period beginning October 2005. Please check with Doug Gayne (207) 624-3268 prior to use.

Contact Doug Gayne at (207) 624-3268 or the manufacturer with any questions regarding application of the products listed above.

Sales Representatives seeking approval of a new product should submit their product's Materials Technical Data Sheet, Instructions, Material Safety Data Sheet, and a completed copy of the MaineDOT Preliminary Information for Product Evaluation Form.